# Translation

## PATENT COOPERATION TREAT



#### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

10/0893033

The second of th	,		101087305
Applicant's or agent's file reference 1999P08132WO.	FOR FURTHER ACT		cation of Transmittal of International Examination Report (Form PCT/IPEA/416)
International application No.	International filing date (	day/month/year)	Priority date (day/month/year)
PCT/DE00/03440	29 September 200	0 (29.09.00)	30 September 1999 (30.09.99)
International Patent Classification (IPC) or n H03K 17/081	ational classification and I	PC	
Applicant	SIEMENS AKTIENG	ESELLSCHAF	r
This international preliminary example Authority and is transmitted to the a			International Preliminary Examining
2. This REPORT consists of a total of	4 sheets, in	luding this cover s	heet.
	asis for this report and/or s	neets containing re	ion, claims and/or drawings which have ectifications made before this Authority the PCT).
These annexes consist of a t	otal of she	ets.	-
3. This report contains indications rela	ting to the following items		
I Basis of the report			
II Priority			
III Non-establishment	t of opinion with regard to	novelty, inventive	step and industrial applicability
IV Lack of unity of in	ivention		
V Reasoned statement citations and expla	nt under Article 35(2) with anations supporting such st	regard to novelty, tement	inventive step or industrial applicability;
VI Certain documents	s cited	•	
VII Certain defects in	the international applicatio	ı	
VIII Certain observatio	ns on the international app	ication	
Date of submission of the demand	Г	ate of completion of	of this report
15 March 2001 (15.03	3.01)	31	May 2001 (31.05.2001)
Name and mailing address of the IPEA/EP	A	uthorized officer	
i			

Telephone No.

Facsimile No.

Int	onal application No.
	PCT/DE00/03440

I. Basis of t	he report		
1. This repo	ort has been drawn of the last	on the basis of (Replacement sheet in this report as "originally filed"	ts which have been furnished to the receiving Office in response to an invitation and are not annexed to the report since they do not contain amendments.):
	the international	application as originally filed.	
	the description,	pages 1-12	_, as originally filed,
	•	pages	_, filed with the demand,
		pages	, filed with the letter of
		pages	, filed with the letter of
	the claims,	Nos. 1-11	_ , as originally filed,
	•		, as amended under Article 19,
		Nos	
		Nos.	_ , filed with the letter of ,
		Nos.	, filed with the letter of
	the drawings,	sheets/fig1/5-5/5	_ , as originally filed,
	•	sheets/fig	_ , filed with the demand,
		sheets/fig	, filed with the letter of,
		sheets/fig	, filed with the letter of
2. The amen	idments have resulte	ed in the cancellation of:	
	the description,	pages	
	the claims,	Nos	
	the drawings,	sheets/fig	
		0	
3. The	is report has been ego beyond the discle	stablished as if (some of) the amosure as filed, as indicated in th	nendments had not been made, since they have been considered e Supplemental Box (Rule 70.2(c)).
·	•	·	
4. Additiona	al observations, if no	ecessary:	

### INTERNATIONAL PROMINARY EXAMINATION REPORT

International	application No.
PEDE	00/03440

٧.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
	citations and explanations supporting such statement

Statement			
Novelty (N)	Claims	1-11	YES
	Claims		NO
Inventive step (IS)	Claims	1-11	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-11	YES
	Claims		NO

#### 2. Citations and explanations

The present application relates to a thyristor arrangement known from EP-A-0 301 761 with a main and an auxiliary thyristor and a protective resistor that connects the cathodes from the main and auxiliary thyristors together.

The invention addresses the problem of making good turnoff protection available. The auxiliary thyristor ensures
that upon switching on, protection is provided from
excessively high current. This is achieved in that the
protective resistor falls from a relatively high to a
relatively low value during the current carrying phase
during turn on.

This solution of the problem is not suggested by the available prior art. Moreover, it sooner appears to be that a person skilled in the art would more likely choose equal or higher resistance in the current carrying phase to protect the auxiliary resistor.

The present invention is with certainty industrially applicable.